

AGENDATRI-PARTITE CONFERENCE ON PERMISSIBLE DOSES

Arden House
Harriman, New York

March 30, 1953

Permissible Dosages from External Radiation Sources:

- A. General principles of determining permissible limits
1. Units and definitions
 2. The "Standard Man"
 - a. Masses of organs -
 - b. Chemical composition
 3. Modifications of permissible dose due to
 - a. Age
 - b. Limited regions of body
 - c. Limited penetration
 4. Relative biological effect for various radiations and tissues
 5. Modifications of permissible dose due to genetic considerations
 6. Modifications of permissible dose due to population considerations
 7. Length of time for averaging the permissible dose
- B. Specific considerations and recommendations
1. Gamma radiation and X-ray
 2. Neutrons of varying energies
 3. Beta radiation and electron beams
 4. Heavy particles
 5. High energy mesons, etc.

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Permissible Dosages from Internal Radiation Sources:

- A. General principles
1. Units and definitions
 2. Special problems presented by internally originated radiation
 3. Factors in tissue localization of radioactive materials
 4. Factors influencing elimination of such materials
 5. Particulates in lung

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6. Population considerations
7. Permissible limits for life forms other than man
- B. Specific considerations and recommendations of permissible dosages
 1. Radium (and radon)
 2. Polonium
 3. Actinium
 4. Thorium
 5. Plutonium
 6. Other alpha emitters
 7. Carbon ¹⁴
 8. Hydrogen ³
 9. Argon ⁴¹, Xenon ¹³³, Xenon ¹³⁵, Krypton
 10. Cobalt ⁶⁰ in water

April 1, 1953

- A. General problems of dosimetry
 1. Gamma
 2. Beta
 3. Neutrons
- B. Special technical considerations in radiation measurement
- C. Occasional exposure
 1. Accidental or emergency, with special reference to civil defense
 2. Medical
- D. Recapitulation of recommendations

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